

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 June 2001 (14.06.2001)

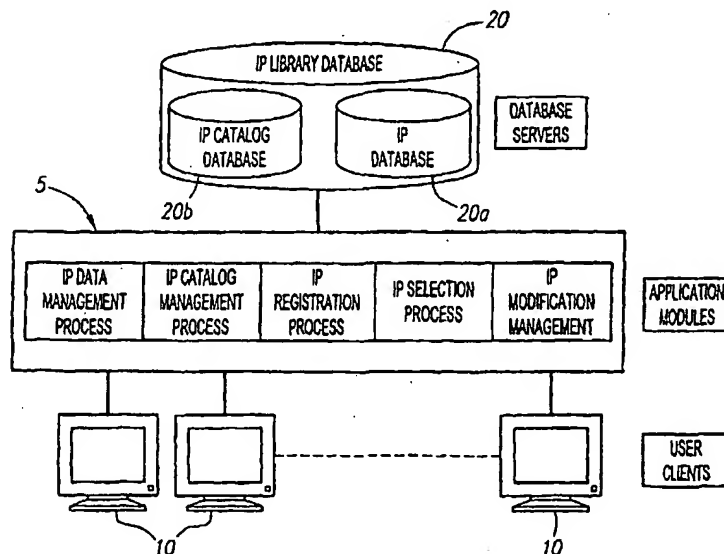
PCT

(10) International Publication Number
WO 01/042969 A3

- (51) International Patent Classification⁷: G06F 17/50 (74) Agents: HEFFAN, Ira, V. et al.; Testa, Hurwitz & Thibault, LLP, High Street Tower, 125 High Street, Boston, MA 02110 (US).
- (21) International Application Number: PCT/US00/42299
- (22) International Filing Date: 28 November 2000 (28.11.2000)
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/456,022 3 December 1999 (03.12.1999) US
09/467,563 20 December 1999 (20.12.1999) US
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant: SYNCHRONICITY, SOFTWARE, INC.
[US/US]; 201 Forest Street, Marlborough, MA 01752 (US).
- (72) Inventor: DEY, Aparna; 1401 Red Hawk Circle, Apt. E-305, Fremont, CA 95009 (US).
- Published:
— with international search report

[Continued on next page]

(54) Title: IP LIBRARY MANAGEMENT SYSTEM



(57) Abstract: An IP library management system includes IP data segregated into two separate databases: an IP database for storing virtual component data, and an IP catalog database for storing attributes pertaining to the stored virtual component data. The IP database and IP catalog database are connected over a local area network. An IP database file server acts as the intermediary between the IP database and the local area network, while one or more database servers act as the intermediary between the IP catalog database and the local area network. The local area network may be connected to a wide area network allowing remote access by a number of remote users. The IP library management system provides an IP authoring methodology and an IP integration methodology associated with the two databases. Users may access the IP library management system through a global computer network such as the Internet.

WO 01/042969 A3



(88) Date of publication of the international search report:
12 September 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/42299

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCHINDLER P ET AL: "IP repository, a Web based IP reuse infrastructure" CUSTOM INTEGRATED CIRCUITS, 1999. PROCEEDINGS OF THE IEEE 1999 SAN DIEGO, CA, USA 16-19 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 16 May 1999 (1999-05-16), pages 415-418, XP010340679 ISBN: 0-7803-5443-5 the whole document --- -/--	1-6

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

29 May 2002

Date of mailing of the international search report

11/06/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Guingale, A

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/42299

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	COORS H ET AL: "Hardware/software co-design for IP objects based on CORBA" FALL VIUF WORKSHOP, 1999. ORLANDO, FL, USA 4-6 OCT. 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 4 October 1999 (1999-10-04), pages 63-68, XP010358555 ISBN: 0-7695-0465-5 the whole document	1-6
A	OLCOZ S ET AL: "Improving VHDL soft-cores reuse with software-like reviews and audits procedures" VERILOG HDL CONFERENCE AND VHDL INTERNATIONAL USERS FORUM, 1998. IVC/VIUF. PROCEEDINGS., 1998 INTERNATIONAL SANTA CLARA, CA, USA 16-19 MARCH 1998, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 16 March 1998 (1998-03-16), pages 143-146, XP010270983 ISBN: 0-8186-8415-1 the whole document	1-6